

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A solid bio-material for the detection of an electromagnetic signal, said bio-material comprising epidermal tissues separated from the carcass of organisms prepared by  
immersing the carcass of an ~~animal~~ organism with a developed epidermis selected from the group consisting of fish, fowl, and tortoises in a mixed solution of ~~aromatics~~ aromatic oil, salt and water;  
separating the epidermis from the immersed organism;  
washing the separated epidermis;  
soaking the epidermis in a mixed solution of potassium dichromate, vinegar and water;  
drying the epidermis at room temperature;  
applying heat of about 40°C and then cold air of about -25°C ~~in turn~~ to the epidermis;  
irradiating the epidermis with ultraviolet rays in an amount sufficient to sterilize said epidermis;  
~~turning-rotating~~ the epidermis at 500 rpm for a time sufficient to generate static electricity;  
applying pine nut oil to the outer surface of the epidermis; and  
cutting the epidermis ~~into required sizes~~ to fit on the head of a probe.

2. (Currently amended) A method of manufacturing a solid bio-material for the detection of a electromagnetic signal by using epidermal tissues separated from the carcass of organisms, said method ~~comprising~~ consisting of  
immersing the carcass of an ~~animal~~ organism with a developed epidermis selected from the group consisting of fish, fowl, and tortoises in a mixed solution of ~~aromatics~~ aromatic oil, salt and water in the ratio of 1:2:300 for one week;

separating the epidermis from the immersed organism;  
washing the separated epidermis;  
soaking the epidermis in a mixed solution of potassium dichromate, vinegar and water in the ratio of 1:1:100 for 10 to 12 hours;  
drying the epidermis at room temperature;  
applying heat of about 40°C and then cold air of about -25°C temperature ~~in turn~~ to the epidermis two or three times in a period of 24 hour;  
irradiating the epidermis with ultraviolet rays using a 240 nm ultraviolet lamp for 30 minutes;  
~~turning~~ rotating the epidermis at 500 RPM for a time sufficient to generate static electricity;  
applying pine nut oil to the outer surface of the epidermis; and  
cutting the epidermis ~~into required sizes,~~ to fit of the head of a probe, wherein said bio-material is capable of detecting an electromagnetic signal.